

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**

- 1-46. (Canceled)
47. (Currently Amended) A transformed host cell comprising at least two vectors, ~~at least~~ one vector comprising a DNA sequence encoding heavy chains of a CD4-IgG2 chimeric heterotetramer, and ~~at least~~ one vector comprising a DNA sequence encoding light chains of the CD4-IgG2 chimeric heterotetramer, wherein the CD4-IgG2 chimeric ~~heterotetramer~~ heterotetramer comprises two heavy chains having the amino acid sequence set forth in SEQ ID NO: 4, and two light chains having the amino acid sequence set forth in SEQ ID NO: 6, and wherein ~~said~~ the CD4-IgG2 chimeric heterotetramer produced in ~~said~~ the cell is capable of neutralizing an HIV-1-infected individual's HIV-1 virus.
48. (Currently Amended) The transformed host cell of claim 47, wherein the cell is a mammalian ~~cell~~ cell-line cell.
49. (Currently Amended) The transformed ~~mammalian~~ host cell of claim 48, wherein the mammalian cell ~~cell~~ cell-line cell is a COS cell, a CHO cell or a myeloma cell.
50. The transformed host cell of claim 47, wherein the cell secretes the CD4-IgG2 chimeric heterotetramer.
51. The transformed host cell of claim 47, wherein the vector encoding heavy chains is designated CD4-IgG2HC-pRcCMV

having ATCC No. 75193.

52. The transformed host cell of claim 47, wherein the vector encoding light chains is designated CD4-kLC-pRcCMV having ATCC No. 75194.
53. The transformed host cell of claim 47, wherein the vector encoding heavy chains is designated CD4-IgG2HC-pRcCMV having ATCC No. 75193 and the vector encoding light chains is designated CD4-kLC-pRcCMV having ATCC No. 75194.
54. The transformed host cell of claim 47, wherein the DNA sequence encoding heavy chains has the DNA sequence set forth in SEQ ID NO: 4.
55. The transformed host cell of claim 47, wherein the DNA sequence encoding light chains has the DNA sequence set forth in SEQ ID NO: 6.